

FIG.1

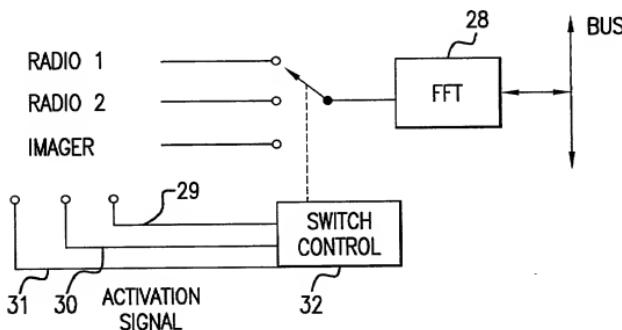


FIG.2

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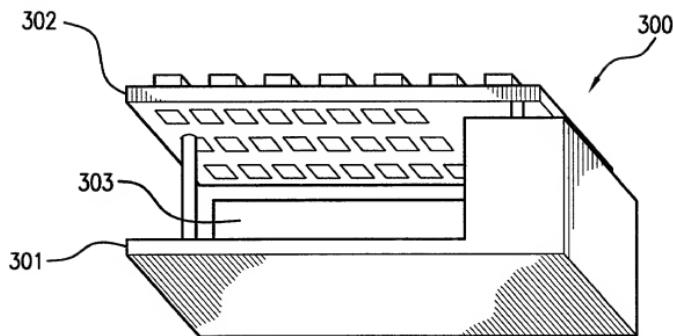


FIG.3

OFDM RADIO AND BASEBAND ENGINE

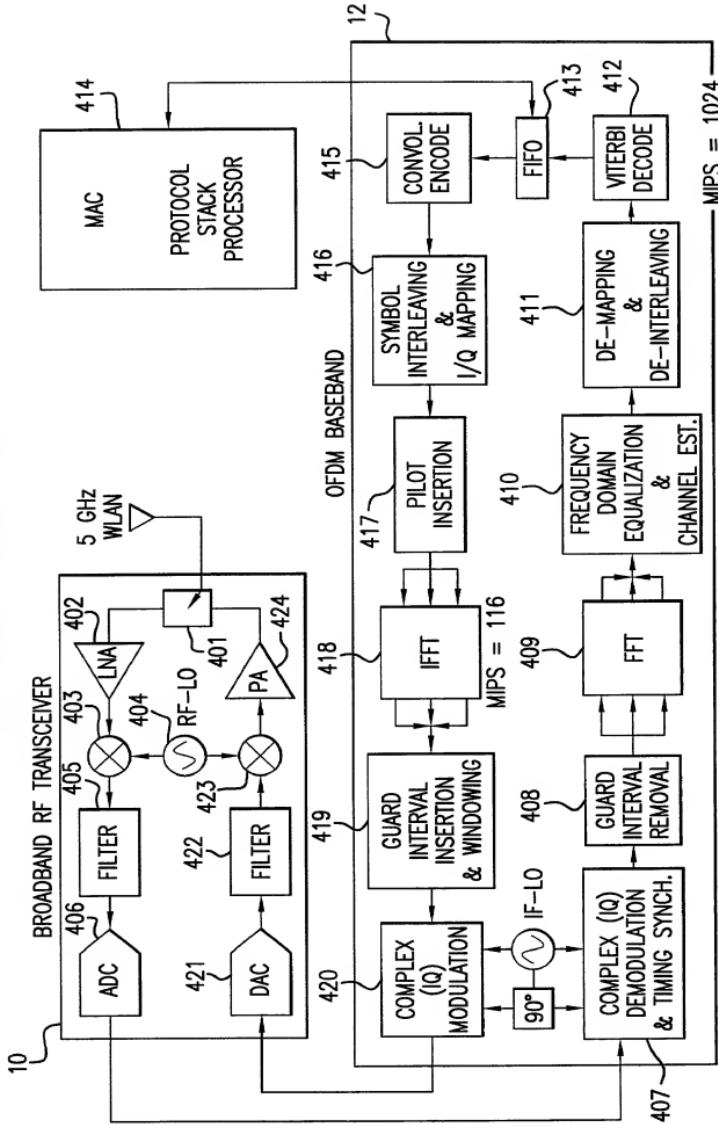


FIG.4

WCDMA RADIO AND BASEBAND ENGINE

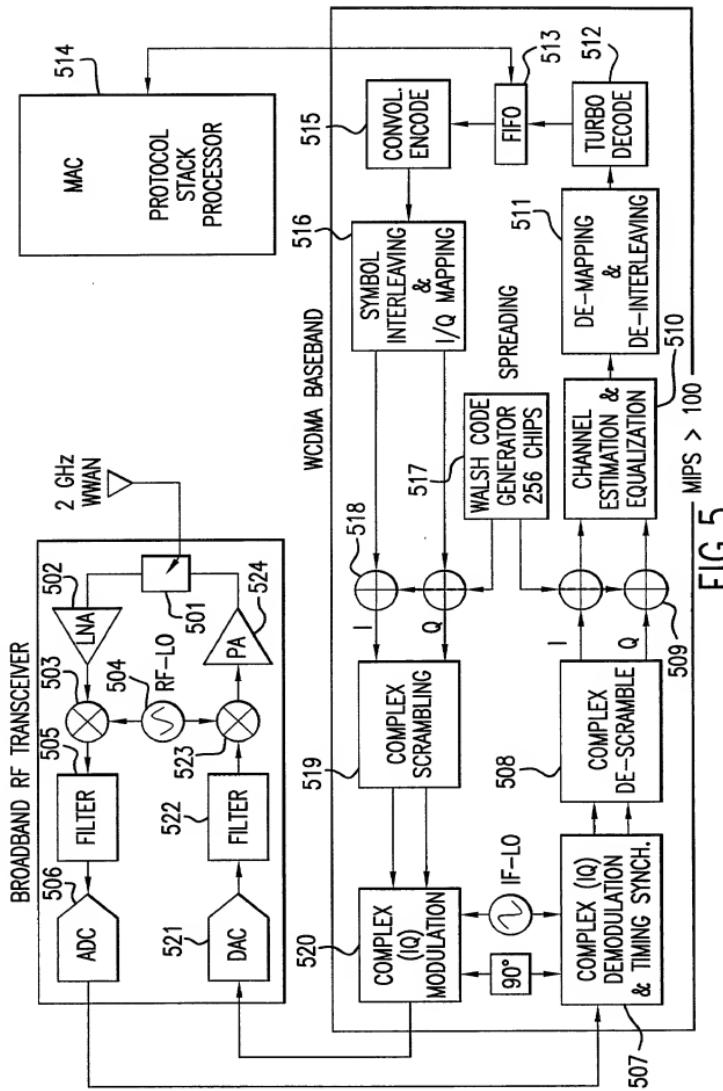


FIG.5

OFDM TRANSMITTER (IFFT)

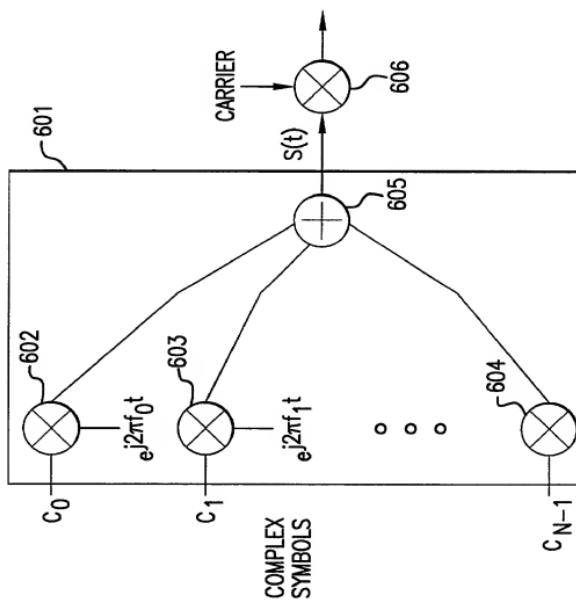


FIG. 6

T_s = SOURCE SYMBOL DURATION

$e^{j2\pi f_{N-1} t}$

SAMPLE $s(t)$ AT $t=kT_s$ TO YIELD IFFT

$$\hat{c}_k = s(nT_s) = \sum_{n=0}^{N-1} c_n e^{-j2\pi \frac{nk}{N} t}$$

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W-CDMA RAKE RECEIVER/EQUALIZER

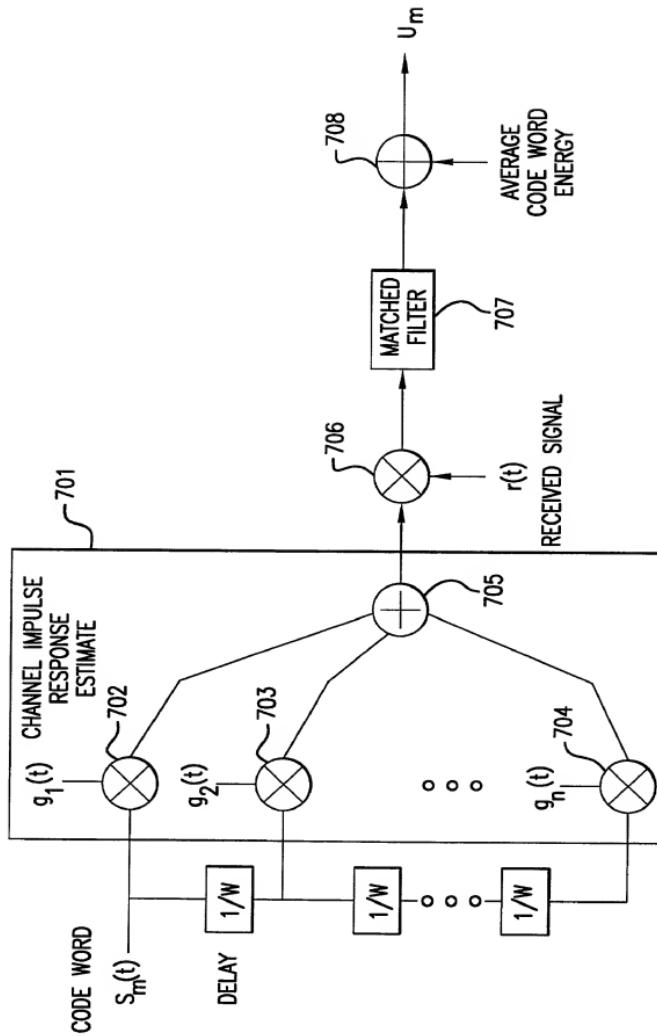


FIG.7